

Nu-Metrics Traffic Analyzer Study

Computer Generated Summary Report

City: 50 ft. South of Lee Hwy

Street: Mclean Ave. #8 Red

A study of vehicle traffic was conducted with HI-STAR unit number 1045. The study was done in the South Bound lane on Mclean Ave. #8 Red in 50 ft. South of Lee Hwy, VA in county. The study began on 01/20/2004 at 12:00 PM and concluded on 01/23/2004 at 12:00 PM, lasting a total of 72 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 1,830 vehicles passed through the location with a peak volume of 69 on 01/22/2004 at 09:00 AM and a minimum volume of 0 on 01/21/2004 at 01:00 AM. The AADT Count for this study was 610.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 >
0	40	414	688	354	95	17	31

At least half of the vehicles were traveling in the 20 - 24 mph range or a lower speed. The average speed for all classified vehicles was 23 mph with 30.3 percent exceeding the posted speed of 25 mph. The HI-STAR found 2.93 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 28.55 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
1565	57	10	4	1	2	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,622 which represents 99.00 percent of the total classified vehicles. The number of Small Trucks in the study was 10 which represents 0.60 percent of the total classified vehicles. The number of Trucks/Buses in the study was 4 which represents 0.20 percent of the total classified vehicles. The number of Tractor Trailers in the study was 3 which represents 0.20 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 01/22/2004 at 09:00 AM the average headway between the vehicles was 51.43 seconds. The slowest traffic period was on 01/21/2004 at 01:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 21 and 52 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.